

About The Symposium

On behalf of the Footwear Biomechanics Group we are pleased to welcome you to the Eleventh Biennial Footwear Biomechanics Symposium from July 31st – August 2nd 2013 in Natal, Brazil.

We are honored to welcome you to the city of Natal in Rio Grande do Norte, a northeastern state in Brazil. It has several tourist attractions and is famous for its natural beauty. There is a tropical climate with warm to hot temperatures all throughout the year due to a close location south of the equator. The city is also one of the host cities of the FIFA World Cup in 2014.

There will be a broad spectrum of old and new topics, including exciting keynote lectures from Prof. Dr. Peter Cavanagh (University Of Washington Medical Centre / Seattle) and Dr. Kristiaan D'Aout (University Of Antwerp / Belgium), as well as several invited sessions.

This year we are also pleased to invite partners to register and join us for the evening highlights.

We're looking forward to an exciting program, and hope to see you in Natal!

Organizing Committee

Stefan Grau, Ph.D. – University Clinic Tübingen, Germany

Toni Arndt, Ph.D. – Karolinska Institute, Sweden

Dr. Günther Schlee – Chemnitz University of Technology, Germany

Stefanie Plank – University Clinic Tübingen, Germany

Abstract Submission

The abstracts will be published in a supplement of the journal Footwear Science published by Taylor & Francis

Reviewing

The abstracts will be reviewed by our scientific committee, which will make recommendations as to the type of presentation (oral or poster).

The author may state preference for the type of presentation (oral or poster). The final decision however lies with the Scientific Committee.

Tuesday 30 July

Evening: FBS Executive Board Dinner Meeting

Wednesday 31 July

10.00 – 12.00: Tutorial [Ned Frederick]: Quantifying the physical and functional characteristics of footwear

12.00 – 13.00: Lunch

13.00 – 13.15: Welcome Address: Stefan Grau

13.20 – 14.35: Scientific Session **Minimal Footwear** (Rami Hashish, Thorsten Sterzing)

0103 [Lake] Lower extremity biomechanics following a period of adaption to wearing unstable shoes

0082 [Delattre] Effect of time during a running session with minimal footwear

0038 [Schütte] Effect of minimalist shoe training on lower limb joint moments

0095 [TenBroek] Removing sources of variance from an analysis of barefoot vs. shod running

0068 [Balbinot] Neuromuscular activation patterns exchange as effect of an unstable shoes construction during walking

14.40 – 16.10: Scientific Session **Design** (Peter Brüggemann, Berthold Krabbe)

0030 [Nishikawi] Practical designing of sprint spike with full CFRP sole

0039 [Zamarashkin] CAD of the shoe interior shape

0069 [Fritz] Development of well-fitting shoes for children and adolescents

0010 [Millburn] Plantar surface contour using close range photogrammetry

0014 [Saraswathy] Improving the design of therapeutic footwear using QFD and TRIZ

0101 [Pisciotta] Perception of running shoe cushioning: Wear test vs controlled experiment

16.10 – 16.30: Coffee

16.30 – 18.00: Poster Session 1: **Performance/ Methodology** (Toni Arndt, Trampas Tenbroek)

17x2 min, then open poster visits